

Taconic	5183929999	0084	3	VeriSign	CHHMNYXA2GT
Yates	3093589999	1093	1	Verizon/GTE	YTCYILXDDS0
YCOM	3604589999	2453	2	VeriSign	YELMWAXADS0
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APPENDIX C
Interoperability Testing

Test Script

ILNP
Inter-Carrier
Test Specifications

Revision _____, (Date)

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Introduction

This document contains the Test Specifications for Inter-modal Local Number Portability (ILNP) Interoperability. It defines the LEC end-to-end test acceptance criteria required for Carrier integration with the LEC Network for ILNP.

Test Window

- LEC and other carrier will determine an appropriate test window.
- LEC and other carrier technical points of contact will facilitate coordination for ILNP testing.

Technical Trial Environment

- LEC will include the ILNP Inter-Carrier Test information, which details the network configuration necessary to test the ILNP service.
- Both carriers will select a Technical Trial market for the Technical Trial and make the necessary network configuration changes (STP, SOA, etc.), prior to the scheduled test window.

Testing Support Requirements

LEC Support Resources

- LEC will assign an Interoperability Project Manager, who will be responsible for project managing the LEC and Carrier Technical Trial and have responsibilities to verify that the technical integration as well as the test cases are successfully completed.
- LEC ILNP Project Manager will coordinate for adequate LEC troubleshooting support personnel and make available appropriate troubleshooting tools (monitors for SS7 traces, etc) during the ILNP testing window.

Carrier Support Resources

- Carrier will provide the necessary resources to execute the ILNP test case.
- Carrier will also provide adequate troubleshooting support personnel and make available appropriate troubleshooting tools (monitors for SS7 traces, etc) during the ILNP testing window.

Project Team Members

CARRIER	NAME	ROLE	TEL	EMAIL
CARRIER NAME				
CARRIER NAME				
CARRIER NAME				
CARRIER NAME				

CARRIER	NAME	ROLE	TEL	EMAIL
CARRIER NAME				
CARRIER NAME				
CARRIER NAME				
CARRIER NAME				

Cooperative Exchange Information

NO.	TEST INFO	CARRIER NAME	CARRIER NAME
1	Ported Test MDN's		
2	Non-Ported Test MDN's		
3	Ported Inter-LATA terminating Number		
4	Test MSC LRN		
5	Test MSC Point Code		
6	Test MSC CLI		
7	Rate Center Name / ID		
8	NPAC SPID		
9	LNP TT	SSN= PC=	SSN= PC=
10	SMS TT	SSN= PC=	SSN= PC=
11	9-1-1 Provider		
	Insert Additional Exchange info. Requirements		

Technical Trial Certification

- The Testers will have the responsibility to execute all the test cases and validate expected results and Customer Experience.
- The LEC Project Manager will have the responsibility to ensure that LEC & other carrier have successfully executed all the required test cases in Attachment A for Carrier integration with the LEC Network for ILNP service.
- As part of the certification process, all test plans shall be executed, completed and forwarded to the LEC Project Manager.

Open Issues & Action Items

- The LEC Integration testers will note and resolve any issues encountered during testing and the Interoperability PM will record any open issues or action items arising from the ILNP testing.

- The issues and action items will be recorded in the following format and assigned to the respective functional teams for resolution.

No.	Date Opened	Test Case Ref.	Severity	Issue/Action	Assigned	Open/Closed

Note: Please return any Lessons Learned and pertinent feedback to LEC for revisions to this document.

End-To-End Test Acceptance

- This section outlines the current required base set of test cases for ILNP. Additional test cases may be added as requirements for certification - once identified by LEC. Applicable requirements are listed in each test case.
- Other Carrier is required to execute the current base set of end-to-end test cases identified in this section. These test cases are to be executed for the following matrix scenarios.

SCENARIO
ATTACHMENT A - Interface & Provisioning Process Testing
ATTACHMENT B - Inter-Carrier Call Delivery Test

Final Certification: Optional

Sign the completed checklist and deliver to the other company participating in the Inter-Carrier test.

Testing Stage:	Inter-Carrier Test
Your Company Name:	
Test Coordinator:	
Test Coordinator Signature:	

#	MET	Test Execution Exit Criteria	Comments
1		All required test cases have been successfully executed.	
2		All specified conditional test cases have been successfully executed	
3		All mutually agreed upon optional test cases have been successfully executed	
4		Actual results for all IC test cases are documented and match expected results.	
5		All problems, defects, and errors from previous levels of testing have been retested and successfully validated	
6		Any IC workarounds have been documented, successfully tested and validated.	
7		All testing results have been collected and are available upon request.	
8		Completed exit criteria checklist can be provided upon request.	
9		E9-1-1 Testing completed.	

The following is to be completed by other company's Inter-Carrier Test Coordinator upon receipt and review of the completed checklist.

Your Company name:	
Exit Criteria Met (Y/N):	
Test Coordinator:	
Test Coordinator Signature:	

Testing complete and Inter-operability Certified on _____
Date

ATTACHMENT A
INTERFACE AND PROVISIONING TEST READINESS CHECKLIST

#	COMPLETED	TEST READINESS CRITERIA	
1		Test cases from the WNP Inter-Carrier Test Plan have been reviewed, selected and agreed to by test participants.	
2		Inter-Carrier communication training for both test participants is complete.	
3		Each participant has signed Service Level Agreements with the other participants(s). (If required)	
4		Contact information for both carriers has been distributed: <ul style="list-style-type: none"> • LSR Contact name, phone number, FAX • 7 x 24 Network Support contact numbers. • E9-1-1 Administrator contact numbers. 	
5		Any additional test scenarios or requirements that have been agreed to by test participants.	Optional
6		Test codes are registered in the E9-1-1 system. Embedded records have been inserted into the E9-1-1 database for all test accounts where appropriate. E9-1-1 account records must be in place before LNP unlock/migrate/delete/add transactions can complete for Wireline service providers.	Optional
7		Each participant has fully tested and validated all modifications to internal business processes and systems. This includes, but is not limited to: <ul style="list-style-type: none"> - Internal Software for SOA - Internal Software for LSMS - Internal Processes for SOA - Internal Processes for LSMS - Inter-carrier Communications software - Inter-carrier Communications processes - Switch Upgrades - Network Upgrades - Internal Processes to allow customers to port in and out 	Optional
8		If applicable, other interface agreements	Optional

#	COMPLETED	TEST READINESS CRITERIA	
		are in place (i.e. CPCN agreements, E9-1-1 database access). Notify E9-1-1 local coordinator about impending tests and schedule.	
9		Each participant has SS7 access to an LRN database.	Optional
10		Each participant has installed and completely tested their own SOA and LSMS and is certified by the appropriate regional Number Portability Administration Center ("NPAC"), or receives access to the appropriate regional NPAC through certified carriers.	Optional
11		A conference bridge has been identified for regular status reporting and inter-company communication during the test. Communication should include status relative to agreed upon inter-company validation points and any outstanding inter-company LNP issues.	Optional
		Insert additional requirements	

INTERFACE and PROVISIONING TEST SPECIFICATIONS

TEST DETAILS:

- a) CARRIER NAME: _____
- b) TRIAL MARKET: _____
- c) TESTER'S Contact Information:
- i) NAME: _____
- ii) MOBILE #: _____
- iii) WORK #: _____
- iv) EMAIL ID: _____

TEST CASE #	TEST REQUIREMENT	EXPECTED RESULTS	RESULTS
1.0.1	<p>Conflict Resolution Process</p> <ul style="list-style-type: none"> NLSP sends OLSP port request. OLSP sends NLSP confirmation. NNSP creates NPAC SV for the port ONSP enters "NO" concurrence flag & designates a conflict code. NPAC changes to conflict status & notifies SPs. NLSP contacts OLSP to resolve conflict. ONSP notifies NPAC conflict resolved. NPAC notifies SPs of conflict "Off" VS <p>Port proceeds to completion as normal.</p>	<p>1.) NLSP personnel contact the appropriate OLSP personnel to resolve and have the conflict status changed to "OFF".</p> <p>2.) ONSP personnel contact the appropriate personnel at NPAC and have the conflict status removed from the SV.</p> <p>3.) The TN is activated on the new agreed to due date.</p>	<p>1.)</p> <p>2.)</p> <p>3.)</p> <p>DATE:</p> <p>TIME:</p>

TEST CASE #	TEST REQUIREMENT	EXPECTED RESULTS	RESULTS
1.0.2	<p>Cancel Order (Port In Progress) NSP Notified Assuming ONSP doesn't send matching SV to NPAC</p> <ul style="list-style-type: none"> • NLSP sends OLSP port request to port a TN • OLSP sends NLSP response confirmation • NNSP creates an NPAC SV for the port • Subscriber notifies NLSP to cancel port request. • NNSP sends cancellation request to NPAC. • NPAC accepts & cancels port request changing status to cancel. • Both SPs are notified of cancellation via interface • ONSP and NNSP return all translations & equip. to status prior to port request. • Test subscriber is fully functional, incoming and outgoing calls are completed. 	1.) SPs verify that the cancel has been processed successfully.	<p>1.)</p> <p>DATE:</p> <p>TIME:</p>
1.0.3	<p>Disconnect Ported Subscribers Service</p> <ul style="list-style-type: none"> • Ported sub notifies Current SP of the disconnect date. • Current SP creates & processes service order • On effective release date, NPAC notifies NPA-NXX code holder of the disconnected TN via the SOA interface. • On effective release date, NPAC broadcasts subscription deletion to 	<p>1.) Verify the TN is disconnected on the NPAC System.</p> <p>2.) On effective release date, the number is returned to the code/block holder after aging, as appropriate.</p> <p>3.) Verify call completes with proper announcements.</p> <p>4.) Verify SP and incumbent code holder made necessary translation changes.</p>	<p>1.)</p> <p>2.)</p> <p>3.)</p> <p>4.)</p> <p>DATE:</p> <p>TIME:</p>

TEST CASE #	TEST REQUIREMENT	EXPECTED RESULTS	RESULTS
	all SPs via LSMS <ul style="list-style-type: none"> • Current SP initiates switch translations making ported TN a disconnected number w/treatment. • Incumbent Code holder puts TN back into inventory for reassignment. • Place test call to TN to confirm Vacant Number Announcement 		
1.0.4	Port Wireline TN to Wireless Carrier <ul style="list-style-type: none"> • Wireless NLSP sends port request to wireline SP to port TNs. • Wireline SP sends NLSP a port response confirmation • NNSP creates SV in the NPAC • The subscription version is activated on the due date by NNSP. • Document test results. 	1.) Verify TN is active and can make calls and receive internet-work calls. 2.) Verify 9-1-1 records processed as NENA standards dictate. (9-1-1 ALI record removed via wireline delete transaction.)	1.) 2.) DATE: TIME:
1.0.5	Port Wireless TN to Wireline Carrier <ul style="list-style-type: none"> • Wireline SP sends port request to port TN. • Wireless OLSP sends SP a port response confirmation. • NNSP creates SV in the NPAC. • The subscription version is activated on the due date by NNSP. • Document test results. 	1.) Verify TN is active and can make calls and receive internet-work calls. 2.) Verify 9-1-1 records processed an NENA standards dictate. (9-1-1 ALI record added via wireline insert or migrate transaction.)	1.) 2.) DATE: TIME:
1.0.6	Port to Original Donor Switch <ul style="list-style-type: none"> • NLSP sends the OLSP 	1.) The SV for the ported number is removed from the NPAC. 2.) The NPAC will have a record of	1.) 2.)

TEST CASE #	TEST REQUIREMENT	EXPECTED RESULTS	RESULTS
	port request to port TN. • OLSP sends NLSP port response confirmation. • NNSP creates SV in the NPAC. • The SV is activated on the due date by NNSP. • NNSP verifies the customer's service is activated and that the port record has been removed from NPAC. • Document test results.	the TN listed as "old." 3.) Verify 9-1-1 records processed as NENA standards dictate. (If recipient provider is wireline, 9-1-1 ALI record inserted via wireline update or migrate transaction. If recipient provider is wireless, 9-1-1 ALI record deleted via wireless delete transaction.)	3.) DATE: TIME:
1.0.7	Port Request Validation Wireless – Wireless • NLSP completes and transmits port request to OLSP • OLSP returns a valid port response confirmation (RT=C). • NLSP receives confirmation from OLSP via port response.	1.) NLSP receives a confirmed port response from the OLSP.	1.) DATE: TIME:
1.0.8	Port Request Validation w/Resolution required Wireless – Wireless • NLSP completes and transmits port request to OLSP • OLSP receives a port request and rejects port date and time. • OLSP returns Port response rejected (RT=R) due to due date and time (RCODE=6E). • NLSP receives port response and changes date and time, and re-sends request to OLSP. • OLSP receives port	1.) NLSP receives a confirmed port response from the OLSP after the date/time conflict has been resolved.	1.) DATE: TIME:

TEST CASE #	TEST REQUIREMENT	EXPECTED RESULTS	RESULTS
	request and returns a valid port response indicating confirmed (RT=C).		
1.0.9	Port Request Validation Wireline – Wireless <ul style="list-style-type: none"> Wireless NLSP completes and sends port request to Wireline SP. Wireline SP receives and validates customer info. and returns confirmation via port response. Wireless NLSP receives confirmation from Wireline SP via port response. 	1.) NLSP receives a confirmation via a Port Response from the Wireline SP.	1.) DATE: TIME:
1.0.10	Port Request Validation with Reject Wireline – Wireless <ul style="list-style-type: none"> Wireless NLSP completes and sends port request forms to Wireline SP Wireline SP receives port request; rejects port date and time, returns port response with reject. Wireless NLSP receives rejected ported response, changes date & time, and sends supplemental port request to Wireline SP Wireline SP receives new request, validates info. and returns port response. Wireless NLSP receives port response from Wireline SP.	1.) NLSP receives port response from the Wireline SP after the date/time conflict has been resolved.	1.) DATE: TIME:
1.0.11	Cancel Order (Port in Progress) NSP Notified Multiple Lines	1.) Local service providers verify that the cancel has been processed successfully and the other TNs are	1.)

TEST CASE #	TEST REQUIREMENT	EXPECTED RESULTS	RESULTS
	<ul style="list-style-type: none"> NLSP sends OLSP port request to port multiple TNs OLSP sends NLSP Port Responses confirming requests. NNSP creates an NPAC SV for the ports. Subscriber subsequently notifies NLSP to cancel port request for one of the lines. NNSP sends a cancellation request to NPAC for that one line. NPAC accepts and cancels porting request by changing status to cancel. Both SPs are notified of cancellation via the interface. ONSP and NNSP return all translations and equip. to status prior to transaction request. Port requests for the other TNs are successfully completed. Test to determine sub is fully functional – orig. & term. calls Document test results. 	successfully ported.	<p>DATE:</p> <p>TIME:</p>

ATTACHMENT B
INTER-CARRIER TEST READINESS CHECKLIST

#	COMPLETED	TEST READINESS CRITERIA	COMMENTS
1		Test cases from the WNP Inter-Carrier Test Plan have been reviewed, selected and agreed to by test participants.	
2		Test participants have agreed to additional test scenarios or requirements.	
3		Test participants have agreed to test dates.	
4		Required Cooperative Data Exchange Information has been provided by both Carriers, and is identified in section 5.4.	
5		Test numbers have been marked as portable in both the LERG and NPAC.	
6		Required agreements have been signed.	
7		Both carriers have provided contact information.	
8		Conference Bridge has been established for inter-carrier communication during the tests.	
		Insert Additional requirements.	

INTER-CARRIER CALL DELIVERY TEST SPECIFICATIONS

SCENARIO WIRELESS / WIRELINE

TEST DETAILS:

- a) CARRIER NAME: _____
- b) TRIAL MARKET: _____
- c) TESTER'S Contact Information:
- i) NAME: _____
- ii) MOBILE #: _____
- iii) WORK #: _____
- iv) EMAIL ID: _____

Test Case #	Requirement	Test Case Description	Result
	Same LATA		
2.0.1	Ported Wireless Sub calls Ported Wireline Sub. Same LATA Orig. Ported # = Term. Ported # =	1.) Switch performs NPDB query. 2.) Switch routes call to destination. 3.) Call completes to ported number. 4.) Expected Switch billing records are created	1. 2. 3. DATE: TIME:
2.0.2	Ported Wireless Sub calls Non-Ported Wireline Sub. Same LATA Orig. Ported # = Term. Non-Ported # =	1.) Switch performs NPDB query. 2.) Switch routes call to destination. 3.) Call completes to non-porting number. 4.) Expected Switch billing records are created	1. 2. 3. DATE: TIME:

Test Case #	Requirement	Test Case Description	Result
2.0.3	Non-Ported Wireless Sub calls Ported Wireline Sub. Same LATA Orig. Non-Ported #= Term. Ported #=	1.) Switch performs NPDB query. 2.) Switch routes call to destination. 3.) Call completes to ported number. 4.) Expected Switch billing records are created	1. 2. 3. DATE: TIME:
2.0.4	Non-Ported Wireless Sub calls Non-Ported Wireline Sub. Same LATA Orig. Non-Ported #= Term. Non-Ported #=	1.) Switch performs NPDB query. 2.) Switch routes call to destination. 3.) Call completes to non-porting number. 4.) Expected Switch billing records are created	1. 2. 3. DATE: TIME:
Same LATA (Roaming)			
2.0.5	Roaming Ported Wireless Sub calls Ported Wireline Sub Same LATA Orig. Roaming Ported #= Term. Ported #=	1.) Originating Switch routes call to N-1 carrier. 2.) N-1 carrier performs NPDB query. 3.) N-1 carrier routes call to terminating network. 4.) Terminating network completes call to ported number. 5.) Expected Switch billing records are created	1. 2. 3. 4. DATE: TIME:
2.0.6	Roaming Ported Wireless Sub calls Non-Ported Wireline Sub Same LATA Orig. Roaming Ported #=	1.) Originating Switch routes call to N-1 carrier. 2.) N-1 carrier performs NPDB query. 3.) N-1 carrier routes call to terminating network. 4.) Terminating network completes call to non-porting number. 5.) Expected Switch billing records are created	1. 2. 3. 4. DATE: TIME:

Test Case #	Requirement	Test Case Description	Result
	Term. Non-Ported #=		
2.0.7	Roaming Non-Ported Wireless Sub calls Ported Wireline Sub Same LATA Orig. Roaming Non-Ported #= Term. Ported #=	1.) Originating Switch routes call to N-1 carrier. 2.) N-1 carrier performs NPDB query. 3.) N-1 carrier routes call to terminating network. 4.) Terminating network completes call to ported number. 5.) Expected Switch billing records are created	1. 2. 3. 4. DATE: TIME:
2.0.8	Roaming Non-Ported Wireless Sub calls Non-Ported Wireline Sub Same LATA Orig. Roaming Non-Ported #= Term. Non-Ported #=	1.) Originating Switch routes call to N-1 carrier. 2.) N-1 carrier performs NPDB query. 3.) N-1 carrier routes call to terminating network. 4.) Terminating network completes call to non-porting number. 5.) Expected Switch billing records are created	1. 2. 3. 4. DATE: TIME:

SCENARIO: WIRELINE / WIRELESS

TEST DETAILS:

- a) CARRIER NAME: _____
- b) TRIAL MARKET: _____
- c) TESTER'S Contact Information:
- i) NAME: _____
- ii) MOBILE #: _____
- iii) WORK #: _____
- iv) EMAIL ID: _____

Test Case #	Requirement	Test Case Description	Result
	Same LATA		
3.0.1	Ported Wireline Sub calls Ported Wireless Sub. Same LATA Orig. Ported # = Term. Ported #=	1.) Switch performs NPDB query. 2.) Switch routes call to destination. 3.) Call completes to ported number. 4.) Expected Switch billing records are created	1. 2. 3. DATE: TIME:
3.0.2	Ported Wireline Sub calls Non-Ported Wireless Sub. Same LATA Orig. Ported # = Term. Non-Ported #=	1.) Switch performs NPDB query. 2.) Switch routes call to destination. 3.) Call completes to non-porting number. 4.) Expected Switch billing records are created	1. 2. 3. DATE: TIME:
3.0.3	Non-Ported Wireline Sub calls Ported Wireless Sub. Same LATA	1.) Switch performs NPDB query. 2.) Switch routes call to destination. 3.) Call completes to ported number. 4.) Expected Switch billing records are created	1. 2. 3. DATE:

Test Case #	Requirement	Test Case Description	Result
	Orig. Non-Ported # = Term. Ported #=		TIME:
3.0.4	Non-Ported Wireline Sub calls Non-Ported Wireless Sub. Same LATA Orig. Non-Ported # = Term. Non-Ported #=	1.) Switch performs NPDB query. 2.) Switch routes call to destination. 3.) Call completes to non-porting number. 4.) Expected Switch billing records are created	1. 2. 3. DATE: TIME:
	Same LATA (Roaming)		
3.0.5	Ported Wireline Sub calls Roaming ported Wireless Sub Same LATA Orig. Ported #= Term. Ported #=	1.) Switch performs NPDB query. 2.) Switch routes call to destination. 3.) Call completes to ported number. 4.) Expected Switch billing records are created	1. 2. 3. DATE: TIME:
3.0.6	Ported Wireline Sub calls Roaming Non-porting Wireless Sub Same LATA Orig. Ported #= Term. Non-Ported #=	1.) Switch performs NPDB query. 2.) Switch routes call to destination. 3.) Call completes to non-porting number. 4.) Expected Switch billing records are created	1. 2. 3. DATE: TIME:
3.0.7	Non-Porting Wireline Sub calls Roaming ported Wireless Sub Same LATA Orig. Non-Ported #= Term. Ported #=	1.) Switch performs NPDB query. 2.) Switch routes call to destination. 3.) Call completes to ported number. 4.) Expected Switch billing records are created	1. 2. 3. DATE: TIME:

Test Case #	Requirement	Test Case Description	Result
3.0.8	Non-Ported Wireline Sub calls Roaming Non-ported Wireless Sub Same LATA Orig. Non-Ported #= Term. Non-Ported #=	1.) Switch performs NPDB query. 2.) Switch routes call to destination. 3.) Call completes to non-ported number. 4.) Expected Switch billing records are created	1. 2. 3. DATE: TIME:
	Roamers Home LATA		
3.0.9	Ported Wireline Sub calls Roaming ported Wireless Sub Roamers Home LATA Orig. Ported #= Term. Ported #=	1.) Originating Switch routes call to N-1 carrier. 2.) N-1 carrier performs NPDB query. 3.) N-1 carrier routes call to terminating network. 4.) Terminating network completes call to ported number. 5.) Expected Switch billing records are created	1. 2. 3. 4. DATE: TIME:
3.0.10	Ported Wireline Sub calls Roaming Non-ported Wireless Sub Roamers Home LATA Orig. Ported #= Term. Non-Ported #=	1.) Originating Switch routes call to N-1 carrier. 2.) N-1 carrier performs NPDB query. 3.) N-1 carrier routes call to terminating network. 4.) Terminating network completes call to non-ported number. 5.) Expected Switch billing records are created	1. 2. 3. 4. DATE: TIME:
3.0.11	Non-Ported Wireline Sub calls Roaming ported Wireless Sub Roamers Home LATA Orig. Non-Ported #= Term. Ported #=	1.) Originating Switch routes call to N-1 carrier. 2.) N-1 carrier performs NPDB query. 3.) N-1 carrier routes call to terminating network. 4.) Terminating network completes call to ported number. 5.) Expected Switch billing records are created	1. 2. 3. 4. DATE: TIME:
3.0.12	Non-Ported Wireline Sub calls Roaming Non-ported Wireless Sub Roamers Home LATA	1.) Originating Switch routes call to N-1 carrier. 2.) N-1 carrier performs NPDB query. 3.) N-1 carrier routes call to terminating	1. 2. 3. 4.

Test Case #	Requirement	Test Case Description	Result
	Orig. Non-Ported #= Term. Non-Ported #=	network. 4.) Terminating network completes call to ported number. 5.) Expected Switch billing records are created	DATE: TIME:

SCENARIO: WIRELINE / WIRELINE - Test cases assume that the ported numbers have been ported in from Wireless SP(s)

TEST DETAILS:

- a) CARRIER NAME: _____
- b) TRIAL MARKET: _____
- c) TESTER'S Contact Information:
- i) NAME: _____
- ii) MOBILE #: _____
- iii) WORK #: _____
- iv) EMAIL ID: _____

Test Case #	Requirement	Test Case Description	Result
	SAME LATA		
4.0.1	Ported Wireline Sub calls Ported Wireline Sub. Same LATA Orig. Ported # = Term. Ported #=	1.) Switch performs NPDB query. 2.) Switch routes call to destination. 3.) Call completes to ported number. 4.) Expected Switch billing records are created	1. 2. 3. DATE: TIME:
4.0.2	Local Ported Wireline Sub calls Non-Ported Wireline Sub Same LATA Orig. Ported # = Term. Non-Ported #=	1.) Switch performs NPDB query. 2.) Switch routes call to destination. 3.) Call completes to non-porting number. 4.) Expected Switch billing records are created.	1. 2. 3. DATE: TIME:
4.0.3	Local Non-Ported Wireline Sub calls Ported Wireline Sub.	1.) Switch performs NPDB query. 2.) Switch routes call to destination. 3.) Call completes to ported number.	1. 2. 3.

Test Case #	Requirement	Test Case Description	Result
	<p>Same LATA</p> <p>Orig. Non-Ported #= Term. Ported #=</p>	4.) Expected Switch billing records are created	<p>DATE:</p> <p>TIME:</p>
	DIFFERENT LATA		
4.0.4	<p>Local Ported Wireline Sub calls Ported Wireline Sub.</p> <p>Different LATA</p> <p>Orig. Ported #= Term Ported #=</p>	<p>1.) Originating Switch routes call to N-1 Carrier</p> <p>2.) N-1 carrier performs NPDB query</p> <p>3.) N-1 carrier routes call to terminating network</p> <p>4.) Terminating network completes call to ported number</p> <p>5.) Expected Switch billing records are created</p>	<p>1.</p> <p>2.</p> <p>3.</p> <p>4.</p> <p>DATE:</p> <p>TIME:</p>
4.0.5	<p>Local Ported Wireline Sub calls Non-Ported Wireline Sub</p> <p>Different LATA</p> <p>Orig. Ported #= Term. Non-Ported #=</p>	<p>1.) Originating Switch routes call to N-1 Carrier</p> <p>2.) N-1 carrier performs NPDB query</p> <p>3.) N-1 carrier routes call to terminating network</p> <p>4.) Terminating network completes call to non-porting number</p> <p>5.) Expected Switch billing records are created</p>	<p>1.</p> <p>2.</p> <p>3.</p> <p>4.</p> <p>DATE:</p> <p>TIME:</p>
4.0.6	<p>Local Non-Ported Wireline Sub calls a Ported Wireline Sub</p> <p>Different LATA</p> <p>Orig. Non-Ported #= Term. Ported #=</p>	<p>1.) Originating Switch routes call to N-1 Carrier</p> <p>2.) N-1 carrier performs NPDB query</p> <p>3.) N-1 carrier routes call to terminating network</p> <p>4.) Terminating network completes call to ported number</p> <p>5.) Expected Switch billing records are created.</p>	<p>1.</p> <p>2.</p> <p>3.</p> <p>4.</p> <p>DATE:</p> <p>TIME:</p>

SCENARIO: ENHANCED SERVICES**TEST DETAILS:**

- a) CARRIER NAME: _____
- b) TRIAL MARKET: _____
- c) TESTER'S Contact Information:
- v) NAME: _____
- vi) MOBILE #: _____
- vii) WORK #: _____
- viii) EMAIL ID: _____

Note: There are three phases of 9-1-1. It is suggested that all carriers test 9-1-1 calls in all three phases.

- Phase 0 is a wireless 9-1-1 solution that may provide no ALI display info or may provide cell site info, dependent on local agreements.
- Phase 1 is a wireless 9-1-1 solution that provides call back number and cell site information.
- Phase 2 is a wireless 9-1-1 solution that provides Phase 1 data plus the location of the caller (x/y coordinates).

Test Case #	Requirement	Test Case Description	Result
5.0.1	9-1-1 Call from a Ported Wireless number Orig. Ported #=	<ol style="list-style-type: none">1.) Schedule tests with 9-1-1 system prior to test date/time.2.) Call initiated by dialing 9-1-1.3.) Ask PSAP to transfer the call to another PSAP.4.) Ask the original PSAP to call back the number displayed.5.) Check with the Neustar IVR for company ID and 24/7 security phone number and call it.6.) If a wireline to wireless port, verify with donor company that ALI record has been deleted from the appropriate 9-1-1 database.7.) Document test results, including time required for all transitional steps.8.) Report results of tests to the Implementation PM using provided forms. <p>Expected Results:</p> <ol style="list-style-type: none">1.) Correct PSAP receives the call.2.) Correct information displayed. (Phase 0, 1, or	<ol style="list-style-type: none">1.2.3.4.5.6.7.8. <p>DATE:</p> <p>TIME:</p>

Test Case #	Requirement	Test Case Description	Result
		2) 3.) PSAP transfer works and correct data is displayed. 4.) Call back to the number works. 5.) Number is in Neustar IVR. 6.) Company name and 24/7-security number are correct in IVR. 7.) Number with its ALI record is deleted from the wireline 9-1-1 database (wireline to wireless port)	
5.0.2	9-1-1 call from a Ported Wireline number. Orig. Ported # -	1.) Schedule tests with 9-1-1 systems prior to test date/time. 2.) Call initiated by dialing 9-1-1. 3.) Ask PSAP to transfer the call to another PSAP. 4.) Ask the original PSAP to call back the number displayed. 5.) Check with the Neustar IVR for company ID and 24/7 security phone number and call it. 6.) Document test results, including time required for all transitional steps. 7.) Report results of tests to the Implementation PM using provided forms. Expected results: 1.) PSAP receives ANI/CPN and ALI for that number; this must be verified by PSAP that all information is correct. If the ALI is wrong due to another 9-1-1 issue, not because of portability, the PSAP follows the appropriate procedures existing today for that problem. 2.) Transfer PSAP verifies same data. 3.) Call terminates to your originating TN that initiated 9-1-1 calls. 4.) Company ID in database shows your company abbreviation. 5.) Upon reaching your center, they verify that they have reached your company and the appropriate center to request trap and traces, etc.	1. 2. 3. 4. 5. 6. 7. DATE: TIME:
5.0.3	Operator assisted (0- and 0+) Intra	1.) The calling party is a ported number. 2.) The called party is a ported number in a	1. 2.

Test Case #	Requirement	Test Case Description	Result
	<p>LATA call from a Ported Sub to a Ported Sub with originating LRN obtained from LNP Database.</p> <p>Orig. Ported # =</p> <p>Term. Ported # =</p>	<p>different network.</p> <p>3.) The calling party dials 0 and informs the operator to complete the call to a ported Intra LATA number and bill the call to the calling party number</p> <p>Expected Results:</p> <p>1.) Call is completed to the ported Intra LATA number</p> <p>2.) Originating LRN obtained from LNP Database</p> <p>3.) AMA record is correctly generated.</p> <p>4.) Customer is not double billed.</p>	<p>3.</p> <p>DATE:</p> <p>TIME:</p>
5.0.4	<p>Alternately billed call placed from a Ported Number to a Ported number with originating LRN obtained from LNP database.</p> <p>Orig. Ported # =</p> <p>Term. Ported # =</p>	<p>1.) The called party, calling party and billed number are all ported numbers on three different networks.</p> <p>2.) Caller dials 0+ Ported destination number and requests that the live operator complete the call using a ported billing number.</p> <p>3.) Originating LRN obtained from LNP Database.</p> <p>Expected Results:</p> <p>1.) Originating LSP routes call to the OSS</p> <p>2.) Call is completed to the ported Intra LATA number</p> <p>3.) Originating LRN obtained from LNP Database</p> <p>4.) AMA record is correctly generated</p> <p>5.) The customer is not double billed.</p>	<p>1.</p> <p>2.</p> <p>3.</p> <p>DATE:</p> <p>TIME:</p>
5.0.5	<p>Operator service (0+ and 0-) from a ported number on different networks.</p> <p>Orig. Ported # =</p> <p>Term Ported #Collect =</p>	<p>1.) Called party and calling party numbers are ported numbers on different networks within the Portable NPA-NXX.</p> <p>2.) Caller dials 0+ported destination number and requests that the live operator complete the call and bill the dialed ported number (collect call).</p> <p>3.) Originating LRN obtained from LNP database.</p> <p>Expected Results:</p> <p>1.) Originating LSP routes call to the OSS</p> <p>2.) Call is completed to the ported intra LATA number</p> <p>3.) Originating LRN obtained from LNP Database</p> <p>4.) AMA record is correctly generated.</p> <p>5.) The customer is not double billed.</p>	<p>1.</p> <p>2.</p> <p>3.</p> <p>DATE:</p> <p>TIME:</p>
5.0.6	<p>Operator service (0+ and 0-) from a roaming ported number to a ported number on different networks when roaming.</p>	<p>1.) Called party and calling party numbers are ported numbers on different networks.</p> <p>2.) Caller dials 0+ Ported destination number and requests that the live operator complete the call and bill the dialed ported number (collect call).</p> <p>3.) Originating LRN obtained from LNP Database.</p>	<p>1.</p> <p>2.</p> <p>3.</p> <p>DATE:</p>

Test Case #	Requirement	Test Case Description	Result
	Orig. Ported #= Term Ported #Collect=	Expected Results: 1.) Originating LSP routes call to the OSS. 2.) Call is completed to the ported intra LATA number 3.) Originating LRN obtained from LNP Database. 4.) AMA record is correctly generated. 5.) The customer is not double billed.	TIME:

SCENARIO: GLOBAL TITLE TRANSLATION

TEST DETAILS:

a) CARRIER NAME: _____

b) TRIAL MARKET: _____

c) TESTER'S Contact Information:

i) NAME: _____

ii) MOBILE #: _____

iii) WORK #: _____

iv) EMAIL ID: _____

Test Case #	Requirement	Test Case Description	Result
6.0.1	Calling Name Delivery Ported Number to Ported Number. Orig. Ported # - Term. Ported # -	1.) A calls B by dialing the DN. 2.) A hears audible ringing. 3.) B does not answer until 2 nd ring cycle. 4.) B's display shows A's Caller ID (DN) and name.	1. 2. 3. 4.

APPENDIX D

Blanket Agency Agreement Letter for CCMRS Providers

I am an official of (Company) INSERT CCMRS NAME and am authorized to commit my Company to the conditions stated herein:

1. INSERT CCMRS NAME HERE will not submit any requests or inquiries for ILNP provisioning under Blanket Agency Agreement procedures to LEC for which it does not have proper authorization from the end-user upon whose behalf service is offered.
2. INSERT CCMRS NAME HERE has entered into an agreement to provide ILNP for the end-user.
3. INSERT CCMRS NAME HERE is solely responsible for representing the end-user in all requests relating to ILNP. INSERT CCMRS NAME HERE is responsible to LEC for all charges that may be incurred in connection with ILNP requests for end-users regardless of whether the end-user meets payment responsibilities to INSERT CCMRS NAME HERE.
4. The INSERT CCMRS NAME HERE will deal directly with end-user on all inquiries concerning ILNP. This may include, but is not limited to, billing, repair, directory listings, and number portability.
5. LEC is authorized to release all information regarding the end-user's local service to INSERT NAME CCMRS HERE.
6. In the event that the end-user challenges action taken by LEC as a result of the above mentioned service requests, INSERT CCMRS NAME HERE will provide evidence of proper end user authorization and indemnify and hold harmless LEC for any damages or losses, including but not limited to unauthorized change charges resulting from the preparation and submission of service requests by INSERT CCMRS NAME HERE for which it did not have proper end-user authorization.
7. In the event that the end user challenges billing which resulted from local service requests submitted to LEC by INSERT CCMRS NAME HERE under this Blanket Agency Agreement, then INSERT CCMRS NAME HERE will indemnify and hold harmless LEC for any damages, losses, costs and attorney's fees, if any, arising from LEC provisioning and maintenance of the end-user's ILNP due to errors in the ordering of said service by INSERT CCMRS NAME HERE.
8. In the event that the end-user disputes actions taken by LEC as a result of a submission by INSERT CCMRS NAME HERE of a service request for disconnection or termination of a previously submitted local service request for which it did not have proper end-user authorization, then INSERT CCMRS NAME HERE will indemnify and hold harmless LEC for any damages, losses, costs and attorney's fees, if any, resulting from said dispute.
9. This Agreement shall continue in effect unless canceled by prior written notice by LEC or INSERT CCMRS NAME HERE thirty (30) days prior to the effective date of cancellation. Cancellation shall not release or limit any matters occurring prior to the cancellation of this Blanket Agency Agreement.

Signature of Officer
Company Name

APPENDIX E

List of Concurring LECS

Big Sandy Telecom – CO
Bluestem Telephone – KS
Chautauqua & Erie Telephone – NY
China Telephone Company – ME
Chouteau Telephone Company – OK
Columbine Telecom Company – CO
Columbus Grove Telephone Company – OH
Community Service Telephone – ME
C-R Telephone – IL
El Paso Telephone Company – IL
Ellensburg Telephone Company – IL
Fremont Telcom Company – ID
GT Com – FL/AL/GA
Maine Telephone Company – ME
Marianna & Scenery Hill – PA
Northland Telephone Company of Maine – ME
Northland Telephone Company of Vermont – VT
Odin Telephone Exchange, Inc. – IL
Orwell Telephone Company – OH
Peoples Mutual Telephone Company – VA
Sidney Telephone Company – ME
Standish Telephone Company – ME
Sunflower Telephone Company – KS
Taconic Telephone Company – NY
Yates City Telephone Company – IL
YCOM Networks – WA